BC734 (PDGFAB, insert)

CTCGAGCAATTCCCACTGAATTTCGCCGCCACAGGAGACCGGCTGGAGCG
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TGTTCTGGCCGAGGAAGCCGAGATCCCCCGCGAGGTGATCGAGAGGCTGG
CCCGCAGTCAGATCCACAGCATCCGGGACCTCCAGCGACTCCTGGAGATA
GACTCCGTAGGGAGTGAGGATTCTTTGGACACCAGCCTGAGAGCTCACGG
GGTCCACGCCACTAAGCATGTGCCCGAGAAGCGGCCCCTGCCCATTCGGA
GGAAGAGAAGCATCGAGGAAGCTGTCCCCGCTGTCTGCAAGACCAGGACG
GTCATTTACGAGATTCCTCGGAGTCAGGTCGACCCCACGTCCGCCAACTTC
CTGATCTGGCCCCCGTGCGTGGAGGTGAAACGCTGCACCGGCTGCTGCAA
CACGAGCAGTGTCAAGTGCCAGCCCTCCCGCGTCCACCACCGCAGCGTCA
AGGTGGCCAAGGTGGAATACGTCAGGAAGAAGCCAAAATTAAAAGAAGTCC
AGGTGAGGTTAGAGGAGCATTTGGAGTGCGCCTGCGCGACCACAAGCCTG
AATCCGGATTATCGGGAAGAGGACACGGATGTGAGGTGAGGATGAGCCGC
AGCCCTTTCCTGGGACATGGATGTGGGGATCCGTCGACCTGCAGCCAAGCT
TAAAACAGCTCTGGGGTTGTACCCACCCCAGAGGCCCACGTGGCGGCTAG
TACTCCGGTATTGCGGTACCCTTGTACGCCTGTTTTATACTCCCTTCCCGTA
ACTTAGACGCACAAAACCAAGTTCAATAGAAGGGGGTACAAACCAGTACCA
CCACGAACAAGCACTTCTGTTTCCCCGGTGATGTCGTATAGACTGCTTGCGT
GGTTGAAAGCGACGGATCCGTTATCCGCTTATGTACTTCGAGAAGCCCAGT
ACCACCTCGGAATCTTCGATGCGTTGCGCTCAGCACTCAACCCCAGAGTGT
AGCTTAGGCTGATGAGTCTGGACATCCCTCACCGGTGACGGTGGTCCAGG
CTGCGTTGGCGGCCTACCTATGGCTAACGCCATGGGACGCTAGTTGTGAAC
AAGGTGTGAAGAGCCTATTGAGCTACATAAGAATCCTCCGGCCCCTGAATG
CGGCTAATCCCAACCTCGGAGCAGGTGGTCACAAACCAGTGATTGGCCTGT
CGTAACGCGCAAGTCCGTGGCGGAACCGACTACTTTGGGTGTCCGTGTTTC
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GCGAATTGGATTGCGGCCGTCGACGCTTGTTCTTTTTGCAGAAGCTCAGAA
TAAACGCTCAACTTTGGCGGCCGGCCCGGAATTCGAGCTCGCCCGGGGAT
CCTCTAGAGTCGACACCATGAATCGCTGCTGGGCGCTCTTCCTGTCTCTCT
GCTGCTACCTGCGTCTGGTCAGCGCCGAGGGGGACCCCATTCCCGAGGAG
CTTTATGAGATGCTGAGTGATCACTCGATCCGCTCCTTTGATGATCTCCAAC
GCCTGCTGCACGGAGACCCCGGAGAGGAAGATGGGGCCGAGTTGGACCT
GAACATGACCCGCTCCCACTCTGGAGGCGAGCTGGAGAGCTTGGCTCGTG
GAAGAAGGAGCCTGGGTTCCCTGACCATTGCTGAGCCGGCCATGATCGCC
GAGTGCAAGACGCGCACCGAGGTGTTCGAGATCTCCCGGCGCCTCATAGA
CCGCACCAACGCCAACTTCCTGGTGTGGCCGCCCTGTGTGGAGGTGCAGC
GCTGCTCCGGCTGCTGCAACAACCGCAACGTGCAGTGCCGCCCCACCCAG
GTGCAGCTGCGACCTGTCCAGGTGAGAAAGATCGAGATTGTGCGGAAGAA
GCCAATCTTTAAGAAGGCCACGGTGACGCTGGAAGACCACCTGGCATGCAA
GTGTGAGACAGTGGCAGCTGCACGGCCTGTGACCTGATAACCGGAAGCTC
TCGAG

BC 701:

CTCGAGAATTCGAGCTCGCCCGGGGATCCTCTAGAGTCGACACCATGAATC
GCTGCTGGGCGCTCTTCCTGTCTCTCTGCTGCTACCTGCGTCTGGTCAGCG
CCGAGGGGGACCCCATTCCCGAGGAGCTTTATGAGATGCTGAGTGATCACT
CGATCCGCTCCTTTGATGATCTCCAACGCCTGCTGCACGGAGACCCCGGAG

Figure 1A

AGGAAGATGGGGCCGAGTTGGACCTGAACATGACCCGCTCCCACTCTGGA
GGCGAGCTGGAGAGCTTGGCTCGTGGAAGAAGGAGCCTGGGTTCCCTGAC
CATTGCTGAGCCGGCCATGATCGCCGAGTGCAAGACGCGCACCGAGGTGT
TCGAGATCTCCCGGCGCCTCATAGACCGCACCAACGCCAACTTCCTGGTGT
GGCCGCCCTGTGTGGAGGTGCAGCGCTGCTCCGGCTGCTGCAACAACCGC
AACGTGCAGTGCCGCCCCACCCAGGTGCAGCTGCGACCTGTCCAGGTGAG
AAAGATCGAGATTGTGCGGAAGAAGCCAATCTTTAAGAAGGCCACGGTGAC
GCTGGAAGACCACCTGGCATGCAAGTGTGAGACAGTGGCAGCTGCACGGC
CTGTGACCTGATAACCGGAAGCTCTCGAG

BC450:

Sal I
GTCGACTCTAGAGGGACAGCCCCCCCCCAAAGCCCCCAGGGATGTAATTA
CGT
CCCTCCCCCGCTAGGGGCAGCAGCGAGCCGCCCGGGGCTCCGCTCCGGT
CCGGCGCTCCCCCCGCATCCCCGAGCCGGCAGCGTGCGGGGACAGCCCG
GGCACGGGGAAGGTGGCACGGGATCGCTTTCCTCTGAACGCTTCTCGCTG
CTCTTTGAGCCTGCAGACACCTGGGGGGATACGGGGAAAAAGCTTTAGGCT
GAAAGAGAGATTTAGAATGACAGAATCATAGAACGGCCTGGGTTGCAAAGG
AGCACAGTGCTCATCCAGATCCAACCCCCTGCTATGTGCAGGGTCATCAAC
CAGCAGCCCAGGCTGCCCAGAGCCACATCCAGCCTGGCCTTGAATGCCTG
CAGGGATGGGGCATCCACAGCCTCCTTGGGCAACCTGTTCAGTGCGTCAC
CACCCTCTGGGGGAAAAACTGCCTCCTCATATCCAACCCAAACCTCCCCTG
TCTCAGTGTAAAGCCATTCCCCCTTGTCCTATCAAGGGGGAGTTTGCTGTGA
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GGCAGATCTTGGGGATAAGGAAGTGCAGGACAGCATGGACGTGGGACATG
CAGGTGTTGAGGGCTCTGGGACACTCTCCAAGTCACAGCGTTCAGAACAGC
CTTAAGGATAAGAAGATAGGATAGAAGGACAAAGAGCAAGTTAAAACCCAG
CATGGAGAGGAGCACAAAAAGGCCACAGACACTGCTGGTCCCTGTGTCTGA
GCCTGCATGTTTGATGGTGTCTGGATGCAAGCAGAAGGGGTGGAAGAGCTT
GCCTGGAGAGATACAGCTGGGTCAGTAGGACTGGGACAGGCAGCTGGAGA
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CCATTATCTCTCATCCAACTCCAGGACGGAGTCAGTGAGGATGGGGCTCTA
GAGGGACAGCCCCCCCCCAAAGCCCCCAGGGATGTAATTACGTCCCTCCC
CCGCTAGGGGCAGCAGCGAGCCGCCCGGGGCTCCGCTCCGGTCCGGCGC
TCCCCCCGCATCCCCGAGCCGGCAGCGTGCGGGGACAGCCCGGGCACGG
GGAAGGTGGCACGGGATCGCTTTCCTCTGAACGCTTCTCGCTGCTCTTTGA
GCCTGCAGACACCTGGGGGGATACGGGGAAAAAGCTTTAGGCTGAAAGAG
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TGCTCATCCAGATCCAACCCCCTGCTATGTGCAGGGTCATCAACCAGCAGC
CCAGGCTGCCCAGAGCCACATCCAGCCTGGCCTTGAATGCCTGCAGGGAT
GGGGCATCCACAGCCTCCTTGGGCAACCTGTTCAGTGCGTCACCACCCTCT
GGGGGAAAAACTGCCTCCTCATATCCAACCCAAACCTCCCCTGTCTCAGTG
TAAAGCCATTCCCCCTTGTCCTATCAAGGGGGAGTTTGCTGTGACATTGTTG
GTCTGGGGTGACACATGTTTGCCAATTCAGTGCATCACGGAGAGGCAGATC
TTGGGGATAAGGAAGTGCAGGACAGCATGGACGTGGGACATGCAGGTGTT
GAGGGCTCTGGGACACTCTCCAAGTCACAGCGTTCAGAACAGCCTTAAGGA
TAAGAAGATAGGATAGAAGGACAAAGAGCAAGTTAAAACCCAGCATGGAGA
GGAGCACAAAAAGGCCACAGACACTGCTGGTCCCTGTGTCTGAGCCTGCAT
GTTTGATGGTGTCTGGATGCAAGCAGAAGGGGTGGAAGAGCTTGCCTGGA
GAGATACAGCTGGGTCAGTAGGACTGGGACAGGCAGCTGGAGAATTGCCA

Figure 1B

TGTAGATGTTCATACAATCGTCAAATCATGAAGGCTGGAAAGCCTCCAAGAT
CCCCAAGACCAACCCCAACCCACCCACCGTGCCCACTGGCCATGTCCCTCA
GTGCCACATCCCCACAGTTCTTCATCACCTCCAGGGACGGTGACCCCCCCA
CCTCCGTGGGCAGCTGTGCCACTGCAGCACCGCTCTTTGGAGAAGGTAAAT
CTTGCTAAATCCAGCCCGACCCTCCCCTGGCACAACGTAAGGCCATTATCT
CTCATCCAACTCCAGGAACGGAGTCAGTGAGGATGGGGCTCTAGAGGATC
CCTCGACCTGCAGGTCAACGGATCACAACAAACTGGAAAATTCTTCAAGAG
AAGAATACCAGACCACCCTACCTGCTTCCTGAGAAATCTGTTTGCTGCTCAG
AAGCAACAGTTAGAACCAGACATGGAACAACAGACTGGTTCCAAATCAGGA
AAGGAGTATGTCAAGGCTGTATATCGTCACCCTGATTATTTAACTTATATGCA
TAGTACATAATACAAAATGCCAGGCTGGATGAATCGCAAGCTGGAATCAAGA
TTTCTGGGAGAAATATCAATAAACGAGATACAAAGATACACCACACTTATGG
CAGAAAACTAAGAAGAACTAAAGAGCCTCTTGATGAAAGTGAAAGAGGAGA
GTGAAAAAGCCAGCTTAAAACCCAACATTCAAAATCAAGATCATCATTTCAT
GGCAAATAAATGGGGAAACAATGGAAACAGTGAGAGACTTTATTTTCTTGGG
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CTAAACAACAACCAAGCAGTAGAAAAATAAATAAAATTTGTCTCTGAGATCTC
AGTACCTCTTTCTGTGCATATCCGTCTCCTGTTATTGTACTTTGTCTTCTGCT
TGTAATAAAGCTGTCCTGTTAGTAAAATCTGTTTGGGTCCTCTGAATTCTTTT
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GCTTCTCATTTAAAAGATTCTACCTCAGTGGGGGCTAAAACTCCACATTTAA
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TTGTATGTAATTACATTCAAGCTCAAAAGCAAAGAAGTGATTCTGCGTTGGT
GAAGGCCCAACCATAGAAAAGAGGAAGAAAATAGGCCACATACTGTGCTTC
CCCCATAGCTCAGTTGGTAAAGAATCTACCTACAATGCAGGAGGCCTGGGC
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CAGTACTCTTGCCTGTAAATCCCATGGACGGAGGAGCCTGGCAGCTACAGC
CTTGGGGTGGCAAGAGTTGGACATGATTAACAACTAAACCACTGCCACCAC
TCCACATACTGAGTGCTCCCCAGTGGCACTAGTGGTAAAGAACCACCTGCC
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GGATATGCTTTCTTTTGTATTCCTTTTCTGAGAAATCAGACTTTTTCACCTTG
GCCTTGGCCACCAAAAGCTAACAAATAAAGGCATATGAAGTAGCCAAGGCC
TTTTCTAGTTATATCTATGACACTGAGTTCATTTCATCATTTATTTTCCTGACT
TCCTCCTGGGTCCATATGAGCAGTCTTAGAATGAATATTAGCTGAATAATCC

Figure 1C

```
AAATACATAGTAGATGTTGATTTGGGTTTTCTAAGCAATCCAAGACTTGTATG
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TCATCTATCTGTCCCAAAGCTGTGAATATATATATTGAAGGTAATGAATAGAT
GAAGCTAACCTTGTAAAAATGAGTAGTGTGAAATACAACTACAATTATGAAC
ATCTGTCACTAAAGAGGCAAAGAAACTTGAAGATTGCTTTTGCAAATGGGCT
CCTATTAATAAAAAGTACTTTTGAGGTCTGGCTCAGACTCTATTGTAGTACTT
AGGGTAAGACCCTCCTCCTGTATGGGCTTTCATTTTCTTTCTTGCTTCCCTC
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GCCAAACTTGAGCTGTCCCATTTTAATAAATCTGTATAAATAATATTTGTTCTA
CAAAAGTATTATCTAAATAAATGTTACTTTCTGTCTTAAAATCCCTCAACAAAT
CCCCACTATCTAGAGAATAAGATTGACATTCCCTGGAATCACAGCATGCTTT
GTCTGCCATTATCTGACCCCTTTCTCTTTCTCTCTTCTCACCTCCATCTACTC
CTTTTTCCTTGCAATTCATGACCCAGATTCACTGTTTGATTTGGCTTGCATGT
GTGTGTGCTGAGTTGCGTCTGACTGTTATCAACCCCATGAATGATAGTCCAC
CAGGCTCTACTGTCCATGAAATTTTCCAGTCAAGAATACTGGAGTGGATTGC
ATTTCCTACTCCATTTGATTAATTTAGTGACTTTTAAATTTCTTTTTCCATATTC
GGGAGCCTATTCTTCCTTTTTAGTCTATACTCTCTTCACTCTTCAGGTCTAAG
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CTGTTGTGTATTAGAATTTACCCCAAGATCTCAAAGACCCACTGAATACTAAA
GAGACCTCATTGTGGTTACAATAATTTGGGGACTGGGCCAAAACTTCCGTG
CATCCCAGCCAAGATCTGTAGCTACTGGACAATTTCATTTCCTTTATCAGATT
GTGAGTTATTCCTGTTAAAATGCTCCCCAGAATTTCTGGGGACAGAAAAATA
GGAAGAATTCATTTCCTAATCATGCAGATTTCTAGGAATTCAAATCCACTGTT
GGTTTTATTTCAAACCACAAAATTAGCATGCCATTAAATACTATATATAAACA
GCCACTAAATCAGATCATTATCCATTCAGCTTCTCCTTCACTTCTTCTCCTCT
ACTTTGGAAAAAAGGTAAGAATCTCAGATATAATTTCAGTGTATCTGCTACTC
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GATCTTAAAAATAAGGGTGTTTAAGATAAGGTTTACACTATTTTCAGCAGATA
TGTTAAAAAATAGAAGTGACTATAAATACTTGATAAAAATTATAGTGACTGCA
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TCCAACAGAAATGAAACATTAATATTTTGTTCACTGCTCTAATCCCAGAATCT
AAGCGATATCTGGCAATAAAAATAATAAATATATATTTTTTAATAAATGAATCA
ACCACTTAATTTTTCTGTAAATATCTGTAACTTCTCTTCTGTCTTTCCAAAAAC
```

Figure 2D

ACTCATAAGTACTGTGAATGAGATGAAAAAGAGTGAAGTAGGATATAGGCTG
TTAGCAGAAACATCTGAATGGCTGGCAGTGAAACATTAACTTGAAATGTAA
GATTAATGAGTAATAGTAAATTTTAACCTTGGCCATATGATAAAATGTTCATT
AATATTTTTCTAGAATACAGGGCTTTTTGTTTTTGCCATGAGGTTTGCAGGAT
CTTGGTTCCCTGACCAGGGATCAAACCTGCACACCAGGGATCAAACCTGCA
CTCCCCTGGAAGCATGGAGTCTTGGACATTTGTATTATACACTATCTTTGGT
TCCTTTTAAAGGGAAGTAATTTTACTTAAATAAGAAAATAGATTGACAAGTAA
TACG

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ACC
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GTTTGTATGATATTTGAGTAATTAAGAGCCCTACAAAAAAATCAATAATGAAT
GGTTCCAAAATAAGCATAGCTGAGATTAATGATTCTCAGCATTAGTTATAAAT
AGAATAAGCTGGAAAACCTTCACCTCCCCTCCACCACCAGATCTCAATGTCT
AGGCTTACCCATGGAGATTCTGATTAACTGTTCTTTCTATGTAGAAGAAACTT
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ATATATGAGCATATGAGGGCAAAATACTGAAGATGCTTATTTCAATACTCAG
GGAAAATTTTCTTGCCAAAAGGCAAGAATTGTATAATTCATTCACTTATTTTA
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AGTATACCAGCATAAAGATTAGTTTTAAATTTATTTTCAGTGATTGACTGTTAT
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TCATGAGTCAAAATACAATCTCACAGTCCAGATATGGGACTTAAAAGGGGAA
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AGCAGACATTTTAATAAAACAATTCCAAGTGAGCCGACACTTGGTCCTAGAG
GAATTTTTATAACCTTAAGATAAGGCACAGCATGGTGTTTTTGTAATAAGATT
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CAAATTATGTATAAAAATAATTTCTGGAATTGTGATTATTATTTCTTTAAGAAT
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Figure 1E

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TCCTCCATGTTTTCCTCACTTCAGGATTAAGTGAAGCCGTACTTAGGCACAA
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TCGGTGATGGTATCCAACTATCTCATCAACTGTTGTGCCCTTCTCCTCCTAC
CCTCAGTCTTTACCAGCATCAGAGTCTTTCTCAGATTCTTCAGGTTATTATAT
AACAACTATCATAAAAGGAGTATCTAAATGGCTGTGTCCATTATTTCACATGT
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CGCTTCATTTCATTTGATATCCTAAAGCTCATAAGGTGTGGTTTTTCTCTTAA
CTCACTAGACACTTCTTTGAAGTCTCTCTTCTGGCATTTTCTCCTTTTCCAAA
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TCCAACCATCTCATCCTCTGTCGTCCCCTTCTCCTCCTGCCCTCAGTCTTTC
CCAGCATCAGGGTCTTTTCCAATGAGTCAGCTCTTCGCATCAGGTGGCTAAA
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GGGACTGGATGCCACTATCTTAGTTTTTCTGAATGTTGAGCTTTAAGCCAGCC
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TCTGCCATAAGGGTGGTGTCATCTGCATATCTGAGGTTATTGATATTTCTCTT
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TCTCACCTGTTTCAGAATTTTCCACAGTTTATTGTGATCCACACAGTCAAAGG
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GCAAGCACGGTGCGCGCGCGTGCACACACACACACACACACACACAGA
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AATTGTATTAGATAACCCTGAATGAGGAGCAAGATATAGTCAAAGTAAGATG
CTCTAGTACTATTTTTTTATAAGCATGATTTGTTCAGCCAAAGGTTTTTTTCCCAT
ATGGCCAATGAACTGAAATATGCAGTCCTGAGATTTGCATATATTTCTAGCT
GAAACCAAGTAAATAATATCCTCAAGAAAGAAATCAATAGAAAAGTTGGATG
```

Figure 1F

AAGAGTACAATAAAGGGACCAAAAATATTCAGAAATAAGAACTAGAGGAGAT
ATTGGGAAATCCCTGGTGAGTCCAGTTTAGGATTTTGTACTTTCACTGCAGT
TGGCATGGATATAATCCCTCACTGGGGAACTAAGATCCCATAAGCTGTGTTG
GATTGCCAAAAAAATAAATATTAAGAGATATCATTCATAGAATATTTTAAAGAT
ATTTTAGAGAAGAGGAAATTAAGGATGTGAGAATTTGTATTACTTTTTCAAGA
TACTAAAGCTATTTAGAGATAGAGCTGTTACTAAAAACTTCAGTTTCCTAAAA
ATTATTTGAAGCACTGTTTAATAAATTCCAAAATATAGAGGAAGGAAAACAAA
ATACTGAGGATTCATATAATGATTCAGATTTAGAAACAATATAACACAGAATT
AGTGAATTCTGACAAATTATTAGGTAGGAGTAGATAGTTCAGCATTACTCGT
ATAGATGGAGTATTTAATCCTTTCCATGAGATTATCCAAATATAATAATTTCG
TATCTATGTGAAGTATAACTATTAAGATTACTTTATAAAGTAAATCAAGAACC
AGAGAATAAGAAAAATGTTTTGTGAACCAGCAGATACTATGAACACATAAAA
CTCAGAACCCTGATTCCTAAGACACACAGCTAATCCTGATTATTCTTCCTTTA
CATGTGACCATAGAACTTCACACAAGTTCAAGATACATTTGTTGAGCACATC
AGTATCAGTTCAGTCACTCAGTCATGTCCGAATCTTTGTGACCTTGTGGACT
GCAGCACGCCAGGCTTTCCTGTCCACCACCAACCCCTGGAGCTTACTCAAA
CTCATGTCCATTGAGTCAGTGATCCCATCCAACCATCTCATCCTCTGTCATC
CTCTTCTCCTGCCTTCAATCTTTCCCAGACATTGGAGTCTTTTCCAATGAGTC
AGATCTTCACATTAGGTGGCCAAAGTATAGGAGTTTCAGCTTCAGCATCAAT
CCTTCCAATGAATATTCCTTGATGTACCCCTTTCGCAGTTTGGAACCAGTCT
GTTGTTCCATGTCCAGTTCTAACTGCTGCTTCTGGACCTGTATACAGATTTCT
CAGGAGGCAGGTAAAGTGGTCTGGTATTCCCATCTCTTGAAGAATTTTCCAC
AGTTTATTGTGATCCACACAATCAAAGGCTTTAGCGTAGTCAATAAAGCAGA
TGTTTTTCTGGAACTCTCGTGCTTTTTTGATGATCCAATGGATGTTGGCAATT
TGATCTCTGGTTCCTCTGCCTTTTCTAAATCCAGCTTGAACATCTGGAAGTTC
ATGGTCCACGTACTGTTGAAGCCTGGCTTGGAGAATTTTGAGAGTTATTTTG
CTAGCATGTGAGATGAGTGCAATCATGTGGGTGTTTGAACATACTTTGTCAT
TGCTTTTCTTTGGGATTGTGGCAGTCCTGTGGCCACTGCTGAGTTTTCCAAA
TTTGCTGACATATTGAGTGCAGCACTTTCACAGCATCACCTTTTAAGATTTGA
AATAGCTCAACTGGAATTCCATCACCTCCACTAGCTTTGTTCATAGTGAGGC
TTTCTAAGGCCGTTTGACTTTGCA

Sal I
TTCCAGGGTGTCTGGCTCTAGGTGAGTGATCCGTTGACCTGCAGCGGCCGA
GTCGACTCGGCCGCGAATTCTTGAAGACGAAAGGGCCTCGTGATACGCCTA
TTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACGTCAGGTGGCAC
TTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATT
CAAATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATAT
TGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCT
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TCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGT
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CAAAATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAA

Figure 16

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AAGATCAAAGGATCTTCTTGAGATCCTTTTTTTTCTGCGCGTAATCTGCTGCTT
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GCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGACGATAGTTA
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CCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGC
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CGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGCAGCCGAACGACC
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GGAGGTGTGGGAGGTTTTTTAAAGCAAGTAAAACCTCTACAAATGTGGTATG
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AGCCGCTGCTGGTTTCCTGGATGCCGACGGATTTGCACTGCCGGTAGAACT
CCGCGAGGTCGTCCAGCCTCAGGCAGCAGCTGAACCAACTCGCGAGGGGA
TCGAGCCCGGGGTGGGCGAAGAACTCCAGCATGAGATCCCCGCGCTGGAG
GATCATCCAGCCGGCGTCCCGGAAAACGATTCCGAAGCCCAACCTTTCATA
GAAGGCGGCGGTGGAATCGAAATCTCGTGATGGCAGGTTGGGCGTCGCTT
GGTCGGTCATTTCGAACCCCAGAGTCCCGCTCAGAAGAACTCGTCAAGAAG
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AGGTGAGATGACAGGAGATCCTGCCCCGGCACTTCGCCCAATAGCAGCCA
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CCGTCGTGGCCAGCCACGATAGCCGCGCTGCCTCGTCCTGCAGTTCATTCA
GGGCACCGGACAGGTCGGTCTTGACAAAAAGAACCGGGCGCCCCTGCGCT
GACAGCCGGAACACGGCGGCATCAGAGCAGCCGATTGTCTGTTGTGCCCA
GTCATAGCCGAATAGCCTCTCCACCCAAGCGGCCGGAGAACCTGCGTGCA
```

Figure 1H

ATCCATCTTGTTCAATCATGCGAAACGATCCTCATCCTGTCTCTTGATCAGAT
CTTGATCCCCTGCGCCATCAGATCCTTGGCGGCAAGAAAGCCATCCAGTTT
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GGTTCGCTTGCTGTCCATAAAACCGCCCAGTCTAGCTATCGCCATGTAAGC
CCACTGCAAGCTACCTGCTTTCTCTTTGCGCTTGCGTTTTCCCTTGTCCAGA
TAGCCCAGTAGCTGACATTCATCCGGGGTCAGCACCGTTTCTGCGGACTGG
CTTTCTACGTGTTCCGCTTCCTTTAGCAGCCCTTGCGCCCTGAGTGCTTGCG
GCAGCGTGAAGCTTTTTGCAAAGCCTAGGCCTCCAAAAAAGCCTCCTCAC
TACTTCTGGAATAGCTCAGAGGCCGAGGCGGCCTCGGCCTCTGCATAAATA
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CACACCTGGTTGCTGACTAATTGAGATGCATGCTTTGCATACTTCTGCCTGC
TGGGGAGCCTGGGGACTTTCCACACCCTAACTGACACACATTCCACAGCCG
GATCTGCAGGACCCAACGCTGCCCGAGATGCGCCGCGTGCGGCTGCTGGA
GATGGCGGACGCGATGGATATGTTCTGCCAAGGGTTGGTTTGCGCATTCAC
AGTTCTCCGCAAGAATTGATTGGCTCCAATTCTTGGAGTGGTGAATCCGTTA
GCGAGGTGCCGCCGGCTTCCATTCAGGTCGAGGTGGCCCGGCTCCATGCA
CCGCGACGCAACGCGGGGAGGCAGACAAGGTATAGGGCGGCGCCTACAA
TCCATGCCAACCCGTTCCATGTGCTCGCCGAGGCGGCATAAATCGCCGTGA
CGATCAGCGGTCCAATGATCGAAGTTAGGCTGGTAAGAGCCGCGAGCGAT
CCTTGAAGCTGTCCCTGATGGTCGTCATCTACCTGCCTGGACAGCATGGCC
TGCAACGCGGGCATCCCGATGCCGCCGGAAGCGAGAAGAATCATAATGGG
GAAGGCCATCCAGCCTCGCGTCGCGAACGCCAGCAAGACGTAGCCCAGCG
CGTCGGCCGCCATGCCGGCGATAATGGCCTGCTTCTCGCCGAAACGTTTG
GTGGCGGGACCAGTGACGAAGGCTTGAGCGAGGGCGTGCAAGATTCCGAA
TACCGCAAGCGACAGGCCGATCATCGTCGCGCTCCAGCGAAAGCGGTCCT
CGCCGAAAATGACCCAGAGCGCTGCCGGCACCTGTCCTACGAGTTGCATG
ATAAAGAAGACAGTCATAAGTGCGGCGACGATAGTCATGCCCCGCGCCCAC
CGGAAGGAGCTGACTGGGTTGAAGGCTCTCAAGGGCATCGGTCGAGGAAC
TTTCGGCGGCTTTGCTGTGCGACAGGCTCACGTCTAAAAGGAAATAAATCAT
GGGTCATAAAAATTATCACGTTGTCGGCGCGGCGACGGATGTTCTGTATGC
GCTGTTTTCCGTTGGCCGTTGCTGTCTGGTGATCTGCCTTCTAAATCTGCAC
AGCCGAATTGCGCGAGCTTGGTTTTGCTGAAACCGACACACAGCAACTGAA
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GATGAGCCTTGGCGTTGAGATTGATACCTCTGCTGCACAAAAGGCAATCGA
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CAGCGGCAATCGAAAACCCTCAGCCGGTGACCAATATCTACAACATCAGCC
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TCAACAAAAAGCAGACGTATCTAGACACGTCTGAAGCTAGCTTCGAGGAAC
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AGCCGAATTGCGCGAGCTTGGTTTTGCTGAAACCGACACACAGCAACTGAA
TACCAGAAAGAAAATCACTTTGCCTTTCTGACATCAGAAGGGCAGAAATTTG
CCGTTGAACACCTGGTCAATACGCGTTTTGGTGAGCAGCAATATTGCGCTTC
GATGAGCCTTGGCGTTGAGATTGATACCTCTGCTGCACAAAAGGCAATCGA

Figure 1I

CCGAGCTGGACCAGCGCATTCGTGACACCGTCTCCTTCGAACTTATTCGCA
ATGGAGTGTCATTCATCAAGGACNGCCTGATCGCAAATGGTGCTATCCACG
CAGCGGCAATCGAAAACCCTCAGCCGGTGACCAATATCTACAACATCAGCC
TTGGTATCCTGCGTGATGAGCCAGCGCAGAACAAGGTAACCGTCAGTGCCG
ATAAGTTCAAAGTTAAACCTGGTGTTGATACCAACATTGAAACGTTGATCGA
AAACGCGCTGAAAAACGCTGCTGAATGTGCGGCGCTGGATGTCACAAAGCA
AATGGCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCCTATGTCCGCAC
GGCCATCATGATGGAATGTTTCCCCGGTGGTGTTATCTGGCAGCAGTGCCG
TCGATAGTATGCAATTGATAATTATTATCATTTGCGGGTCCTTTCCGGCGATC
CGCCTTGTTACGGGGCGGCGACCTCGCGGGTTTTCGCTATTTATGAAAATT
TTCCGGTTTAAGGCGTTTCCGTTCTTCTTCGTCATAACTTAATGTTTTTATTTA
AAATACCCTCTGAAAAGAAAGGAAACGACAGGTGCTGAAAGCGAGCTTTTT
GGCCTCTGTCGTTTCCTTTCTCTGTTTTTGTCCGTGGAATGAACAATGGAAG
TCAACAAAAAGCAGAGCTTATCGATGATAAGCGGTCAAACATGAGAATTC

Figure 1J